Notice of Allowability	Application No.	Applicant(s)
	10/009,738	SUZUKI ET AL.
	Examiner	Art Unit
	Rip A. Lee	1713
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	or other appropriate communical GHTS This application is public.	e correspondence address application. If not included
1. This communication is responsive to <u>September 15, 2004</u> .		
2. The allowed claim(s) is/are 1, 2 and 5.		
3. The drawings filed on are accepted by the Examiner		
4. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have	been received.	
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this national stage application from the 		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	in of this application.	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	reason(s) why the oath or decla	R'S AMENDMENT or NOTICE OF ration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.	
(a) including changes required by the Notice of Draftsperso	n's Patent Drawing Review (PT(D-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	4(c)) should be written on the draw header according to 37 CFR 1.12	vings in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the deposi attached Examiner's comment regarding REQUIREMENT FO	t of BIOLOGICAL MATERIAL	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO 4446 - PTO 689 km)	6. ☐ Interview Summar Paper No./Mail Da	ate .
 Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit 		
of Biological Material	8. ⊠ Examiner's Statem 9. ☐ Other	ent of Reasons for Allowance

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Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: Claims 1, 2 and 5 are allowed over the closest reference, JP 11-199592.

The present invention is drawn to a process for (co)polymerizing olefin(s) at 50-170 °C in the presence of a catalyst consisting essentially of a transition metal compound represented by formula (I) (see claim for details), an organoaluminum which reacts with said transition metal compound to convert the imine moiety into a metal amide moiety, and a compound which reacts with the transition metal compound to form an ion pair, such that the catalyst activity is at least 1000 kg/mole-hr.

JP 11-199592 describes a process for polymerization of olefins using a catalyst that contains a transition metal compounds. The reference describes an extensive listing of metal complex which may be used as the catalyst component, but it also describes many compounds having the requisite imine containing ligand shown in formula (I) of the present claims. The catalyst composition also contains any combination of an organometallic compound, an oganolauminum oxy compound, and at least one species of compounds that forms an ion pair with the transition metal compound. Trialkylaluminum compounds qualify as the organometallic compound, and triisobutylaluminum is listed as a species. The patent shows an example in which the combination of iBu_3Al and $[Ph_3C][B(C_6F_5)_4]$ are used as the co-catalyst component, albeit with a distinctively different class of transition metal complex. The reference also contemplates carrying out polymerization within the temperature range of 0-170 °C.

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While all aspects of the present invention may be found in the patent, it is deemed

that one of ordinary skill in the art would not have found it obvious, from the general

teachings of the reference, to cull the particular combination of the appropriate transition

metal compound, the claimed combination of cocatalyst and the cited reaction temperature

in order to arrive at the process delineated in the present invention.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably accompany

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached at (571)272-1114. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

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November 16, 2004

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DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700